

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

In re application of: Taguchi et al.

Attorney Docket No.: ALPSP128

Application No.: Unassigned

Examiner: Unassigned

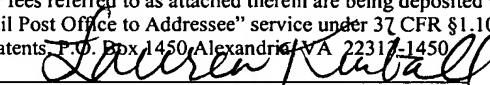
Filing Date: Herewith

Group: Unassigned

**Title: RESISTOR SUBSTRATE WITH
RESISTOR LAYER AND ELECTRODE LAYER
AND MANUFACTURING METHOD THEREOF**

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on July 10, 2003 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EV333983530US, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Lauren Kimball

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§1.56 AND 1.97(c)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The reference listed in the attached PTO Form 1449, a copy of which is attached, may be material to examination of the above-identified patent application. Applicants submit this reference in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make this reference of official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that this reference indeed constitutes prior art.

This Information Disclosure Statement is being filed concurrently with the above-referenced patent application. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-0388 (Order No. ALPSP128).

Respectfully submitted,
BEYER WEAVER & THOMAS, LLP



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Form 1449 (Modified)			
Information Disclosure Statement By Applicant			
(Use Several Sheets if Necessary)			
		Atty Docket No. ALPSP128 Applicant: Taguchi et al. Filing Date Herewith	Application No.: Unassigned Group Unassigned

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A	5,781,100	07/14/98	Komatsu			
	B						
	C						
	D						
	E						
	F						
	G						
	H						
	I						

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	J							
	K							
	L							
	M							
	N							

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	O	
	P	
	Q	
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.